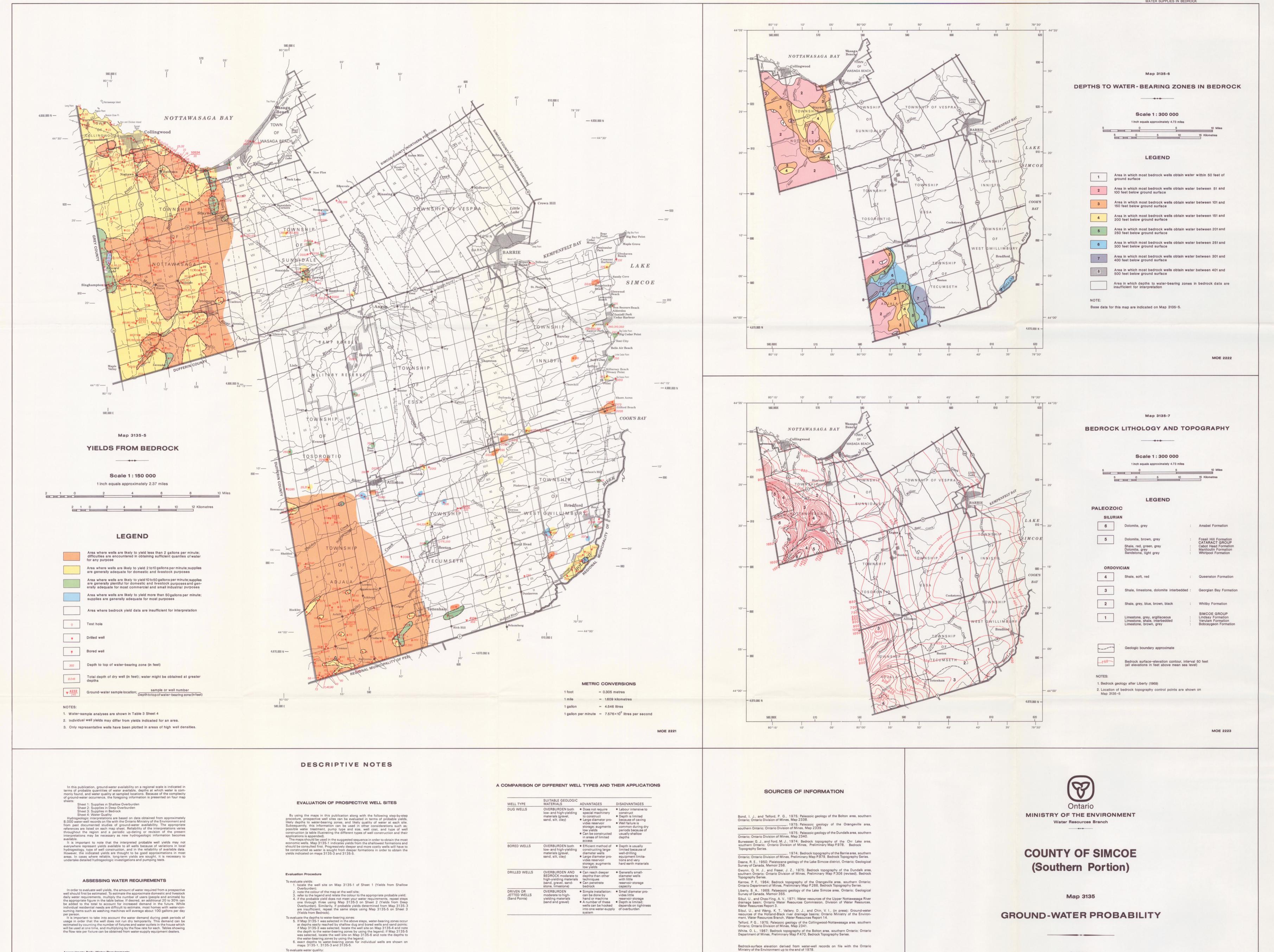
SHEET 3

WATER SUPPLIES IN BEDROCK



YIELDS FROM BEDROCK - SUMMARY

Yields of over 50 gallons per minute to wells in bedrock occur in a few isolated wells penetrating fractured limestone or dolomite at Alliston, east of Bond Head and south of Bradford in the southern part of the map area and north of

Singhampton in the northwestern part of the map area and north of Singhampton in the northwestern part of the map area. Less fractured limestone and dolomite yield between 10 and 50 gallons per minute at Stayner and Singhampton in the north, as do some highly fractured shales near Tottenham in the southern part of the map area. Yields between 2 and 10 gallons per minute are found in areas of limestone, dolomite and sandstone of the Simcoe Group and the Amabel, Fossil Hill, Manitoulin and Whirlpool formations. Yields of less than 2

gallons per minute are found in most areas underlain by shales of the Cabot Head, Queenston, Georgian Bay and Whitby formations except in the northwestern part

of the map area where some of these formations will yield between 2 and 10 gallons per minute.

Bedrock topography interpretation by D. Walmsley and M. E. Turner.

Base maps derived from 1:50 000 map sheets of the National Topographic series.

Cartography by H. De Souza.

To evaluate water quality:
7. to evaluate the likely ground-water quality at a potential well site, locate

significance of the analyses, refer to Table 4 on Sheet 4.

the well on the selected yield map and note the nearby ground-water sampling points. Chemical analyses of these samples are found in the Inorganic Chemical Analyses tables 1, 2, and 3 on Sheet 4. To interpret the

**Approximate Daily Water Requirements** 

Note: —table modified from F. R. Hore, Farm Water Supply, Ontario Department of Agriculture and Food, Publication 476

For information on irrigation requirements, contact your Regional Office of the Ontario Ministry of Agriculture and Food.

50-150 gallons per day

35 gallons per day 5 gallons per day 12 gallons per day 4 gallons per day

2 gallons per day

12 gallons per day

(kitchen, laundry, bath) for each producing milk cow

(incl. washing) for each dry cow

for each sheep

for each steer, horse

for each 100 turkeys